GenCore version 5.1.6

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Searched: 682709 seqs, 277475446 residues

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Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	1883.2	60.6	3147	2	US-09-027-337-1	Sequence 1, Appli
2	1883.2	60.6	3147	4	US-09-644-600-1	Sequence 1, Appli
c 3	1883.2	60.6	3147	4	US-09-644-600-18	Sequence 18, Appl
4	1883.2	60.6	3147	4	US-09-654-600A-1	Sequence 1, Appli
c 5	1883.2	60.6	3147	4	US-09-654-600A-18	Sequence 18, Appl
6	1530.8	49.3	2900	2	US-09-027-337-9	Sequence 9, Appli
7	1530.8	49.3	2900	4	US-09-644-600-9	Sequence 9, Appli
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9	943.8	30.4	2152	4	US-09-023-655-157	Sequence 157, App
10	701.2	22.6	1553	4	US-09-280-116-10	Sequence 10, Appl
11	306.8	9.9	434	4	US-09-702-705-1480	Sequence 1480, Ap
12	306.8	9.9	434	4	US-09-736-457-1480	Sequence 1480, Ap
13	306.8	9.9	434	4	US-09-614-124B-1480	Sequence 1480, Ap
14	306.8	9.9	434	4	US-09-671-325-1480	Sequence 1480, Ap
15	173.2	5.6	796	4	US-09-280-116-107	Sequence 107, App
16	113.6	3.7	2413	3	US-09-518-046-1	Sequence 1, Appli
17	109.8	3.5	2544	3	US-09-518-046-3	Sequence 3, Appli
18	101.6	3.3	1479	3	US-09-342-749-1	Sequence 1, Appli
19	101.6	3.3	1479	4	US-09-691-840-1	Sequence 1, Appli
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39	90.8	2.9	1462	4	US-09-370-838-55	Sequence 55, Appl
40	90.8	2.9	1517	1	US-08-508-448C-15	Sequence 15, Appl
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42	90.4	2.9	1783	3	US-09-510-738A-188	Sequence 188, App
43	90.4	2.9	1783	4	US-09-861-966-188	Sequence 188, App
44	90.4	2.9	2363	4	US-09-742-703-3	Sequence 3, Appli
45	89.4	2.9	1154	2	US-09-016-366A-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
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; Sequence 1, Application US/09027337B
; Patent No. 5972616
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease Overexpressed in
; TITLE OF INVENTION: Breast and Ovarian Carcinomas
; FILE REFERENCE: D6064
; CURRENT APPLICATION NUMBER: US/09/027,337B
; CURRENT FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 1
; LENGTH: 3147
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: 23..2589
; OTHER INFORMATION: cDNA sequence of TADG-15
US-09-027-337-1

Query Match 60.6%; Score 1883.2; DB 2; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;

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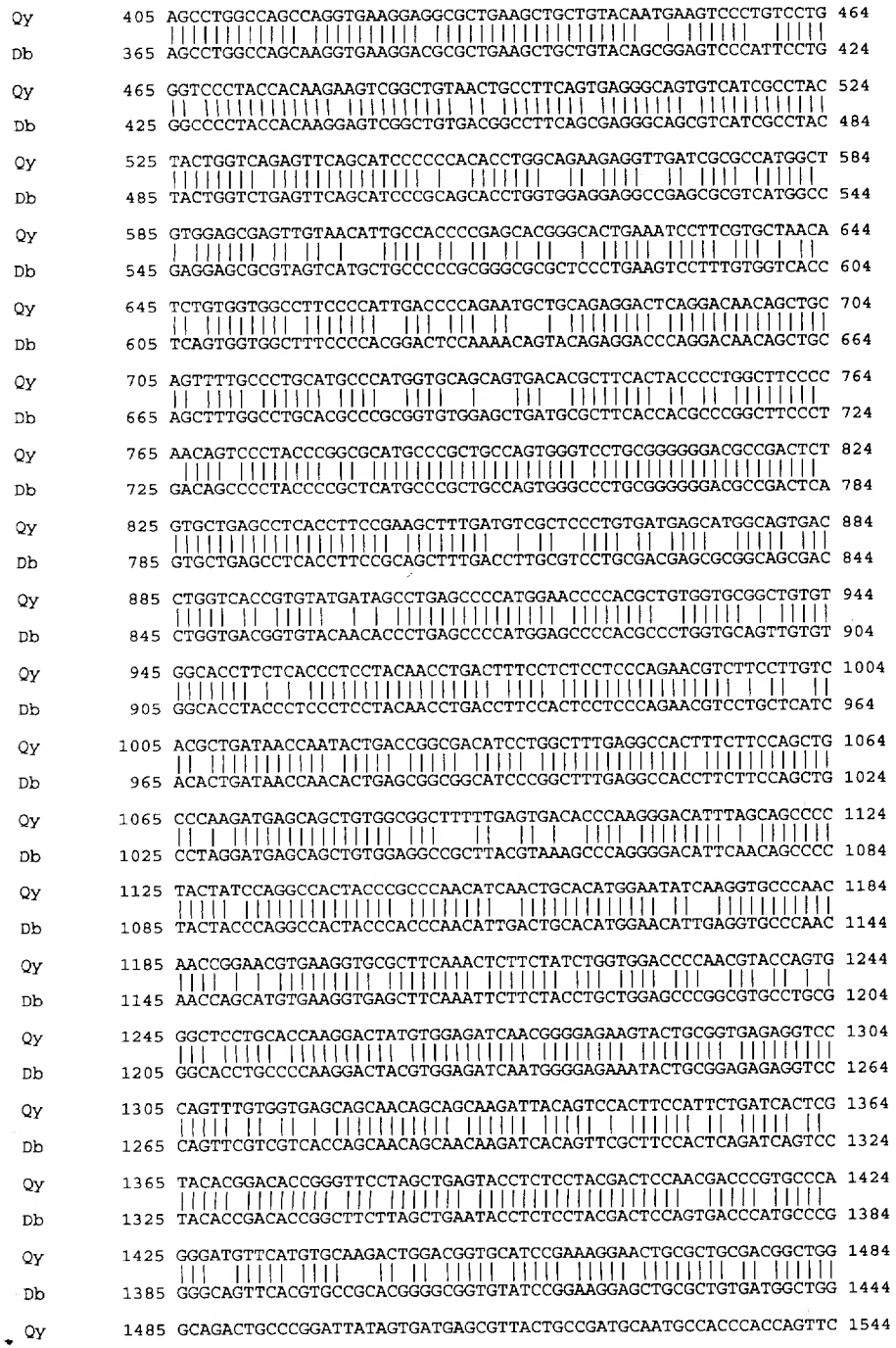
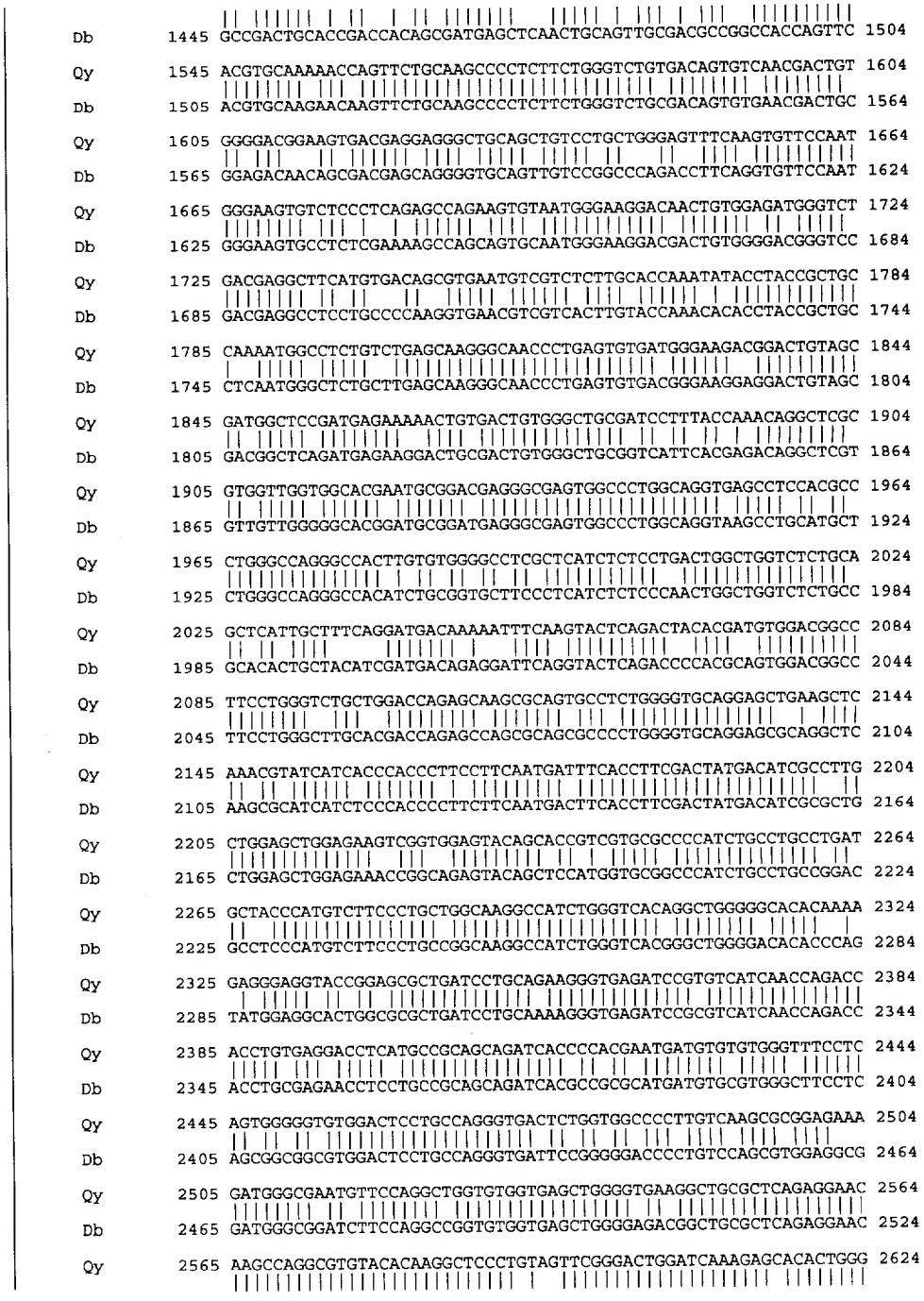
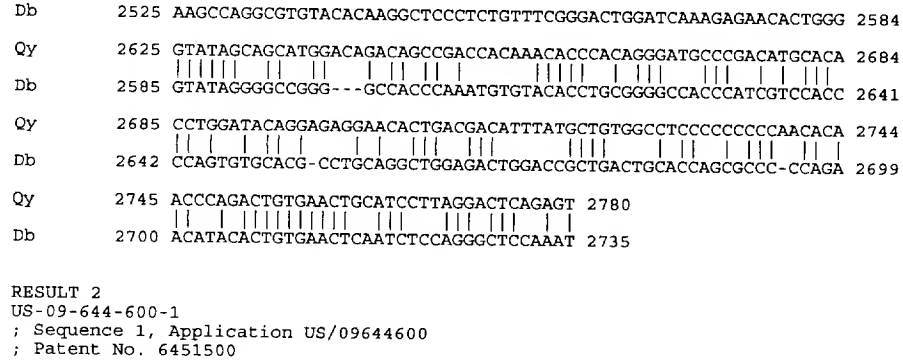
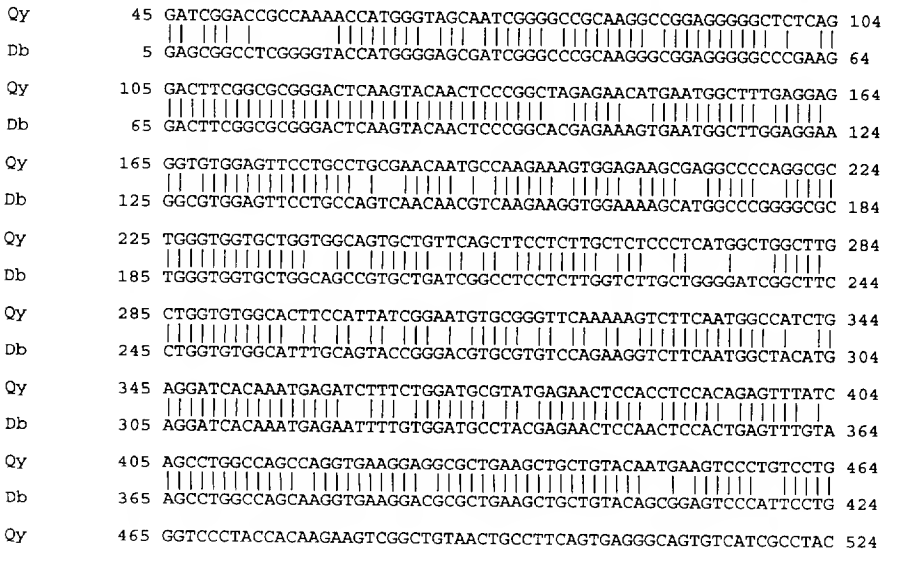


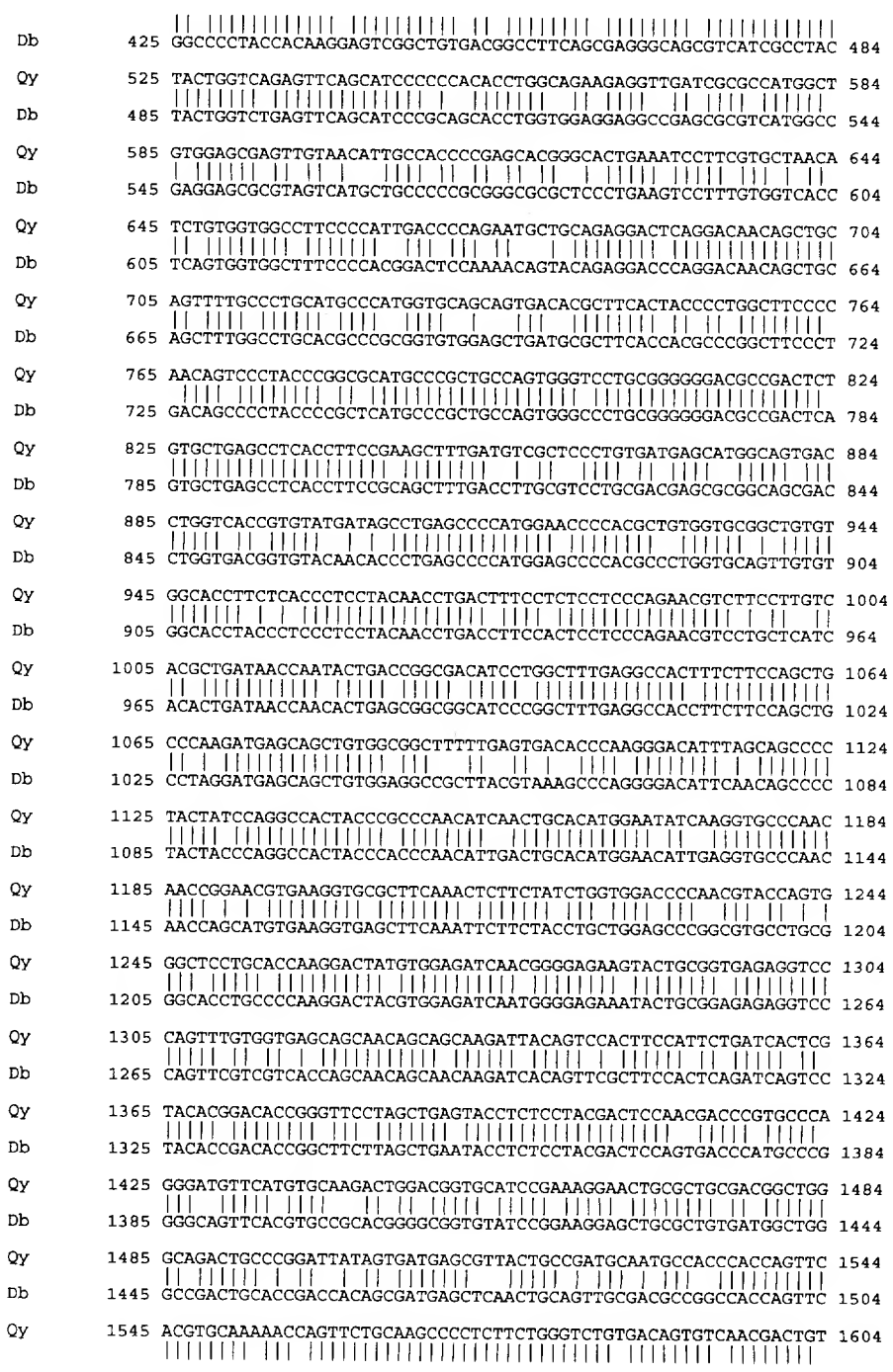




RESULT 2
US-09-644-600-1
; Sequence 1, Application US/09644600
; Patent No. 6451500
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/644,600
; CURRENT FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/421,213
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: 09/027,337
; PRIOR FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 1
; LENGTH: 3147
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: TADG-15
US-09-644-600-1

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;





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RESULT 3
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; Sequence 18, Application US/09644600
; Patent No. 6451500
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/644,600
; CURRENT FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/421,213
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: 09/027,337
; PRIOR FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 18
; LENGTH: 3147
; TYPE: RNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Antisense of TADG-15
US-09-644-600-18

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;

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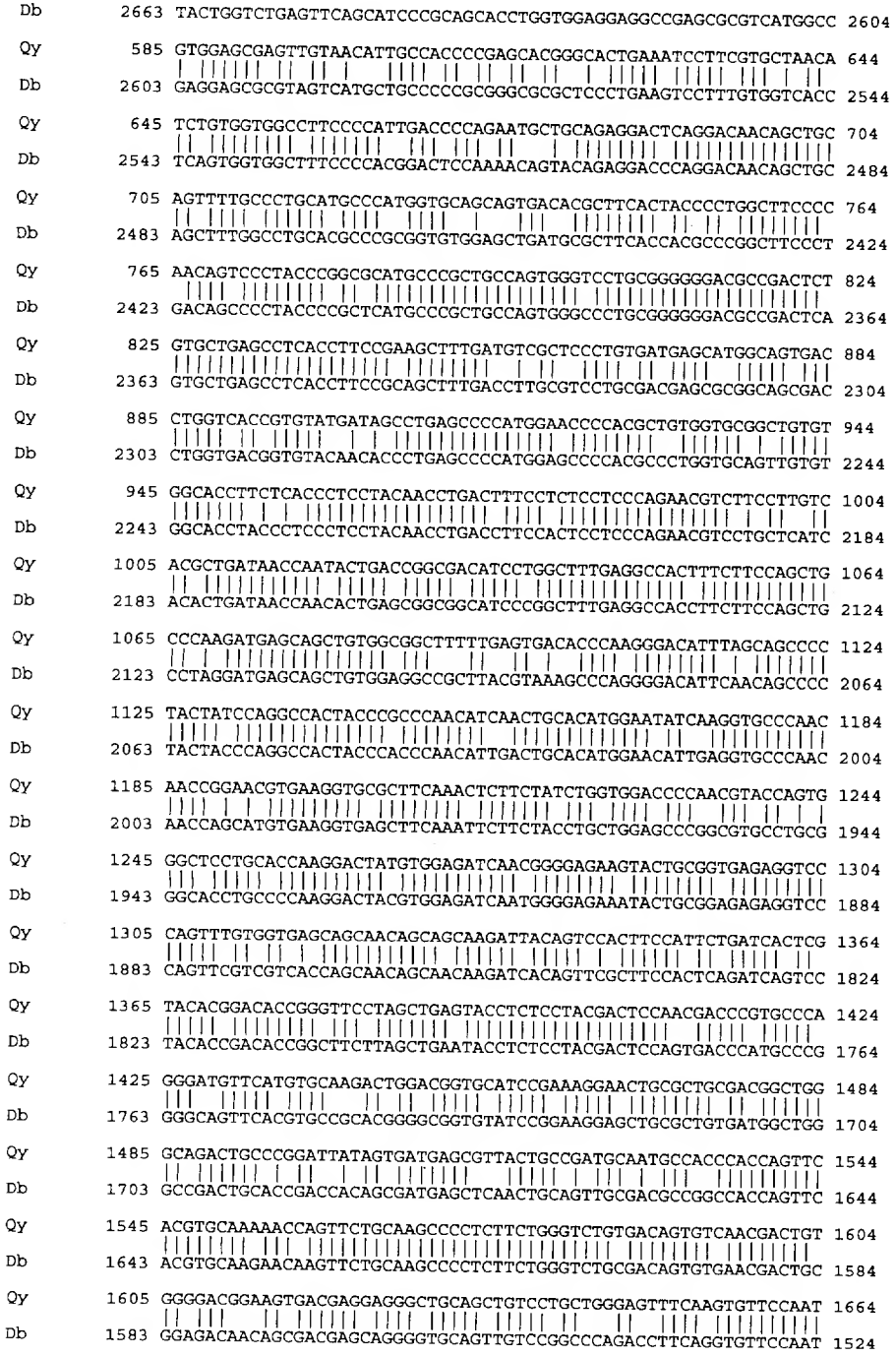
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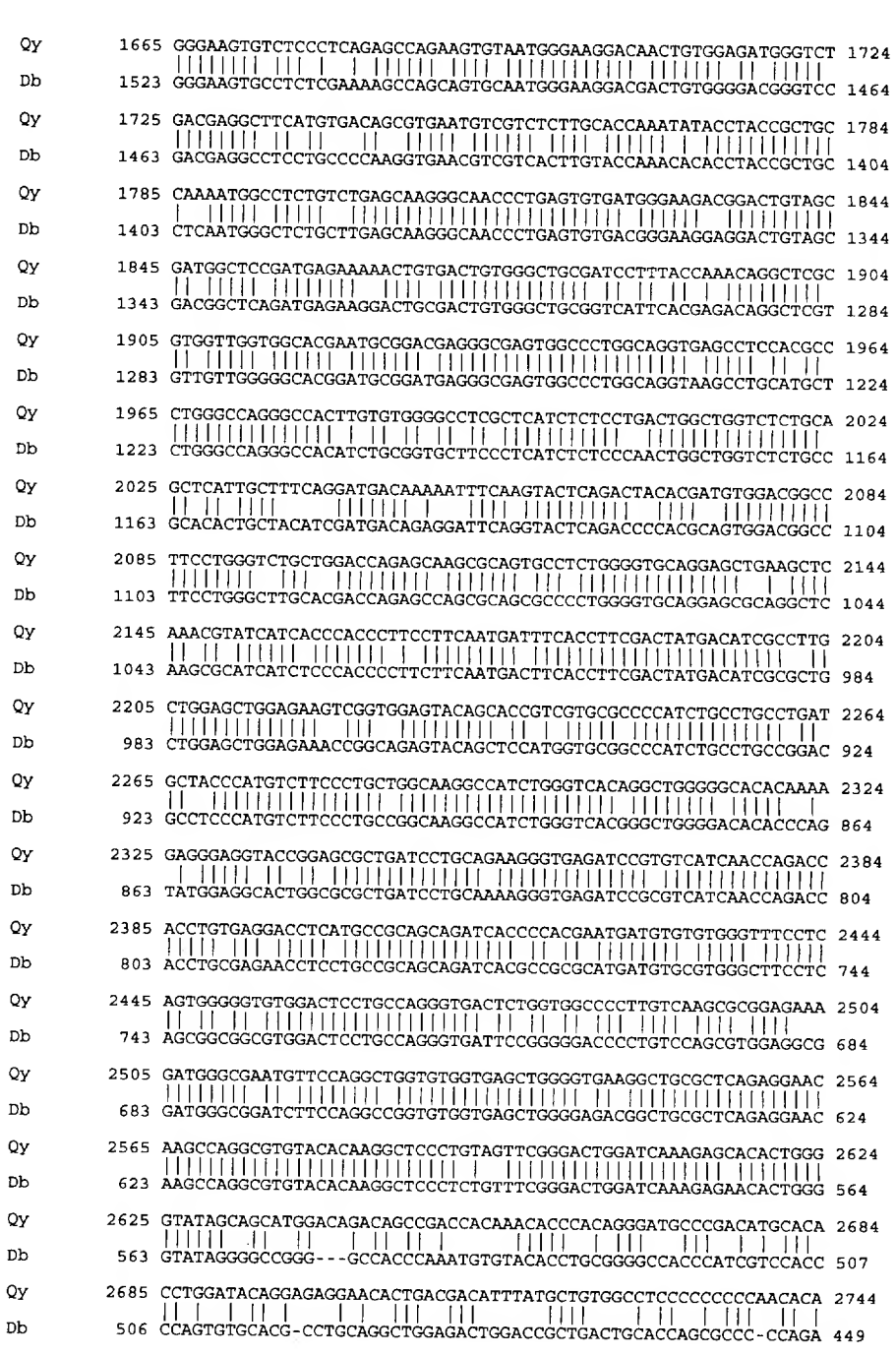
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Qy 2025 GCTCATTGCTTTCAGGATGACAAAAATTTCAAGTACTCAGACTACACGATGTGGACGGCC 2084
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Qy 2445 AGTGGGGGTGTGGACTCCTGCCAGGGTGACTCTGGTGGCCCCTTGTCAAGCGCGGAGAAA 2504
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RESULT 4
US-09-654-600A-1
; Sequence 1, Application US/09654600A
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 09/421,213
; 09/027,337
; PRIOR FILING DATE: 1999-10-20
; 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 1
; LENGTH: 3147
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: TADG-15
US-09-654-600A-1

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;

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Qy        765 AACAGTCCCTACCCGGCGCATGCCCGCTGCCAGTGGGTCCTGCGGGGGGACGCCGACTCT 824
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Qy       1425 GGGATGTTCATGTGCAAGACTGGACGGTGCATCCGAAAGGAACTGCGCTGCGACGGCTGG 1484
Db       1385 GGGCAGTTCACGTGCCGCACGGGGCGGTGTATCCGGAAGGAGCTGCGCTGTGATGGCTGG 1444

Qy       1485 GCAGACTGCCCGGATTATAGTGATGAGCGTTACTGCCGATGCAATGCCACCCACCAGTTC 1544
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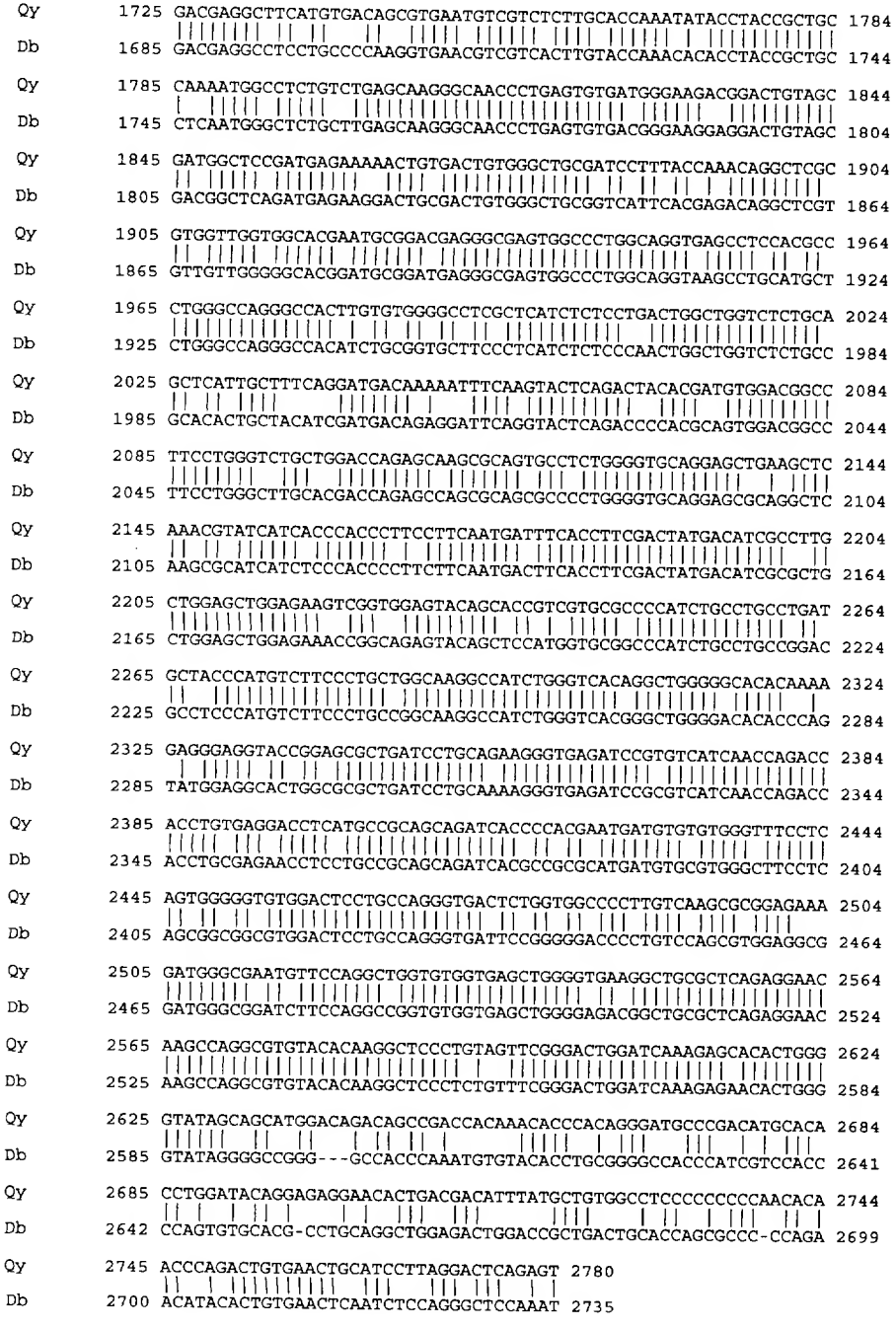
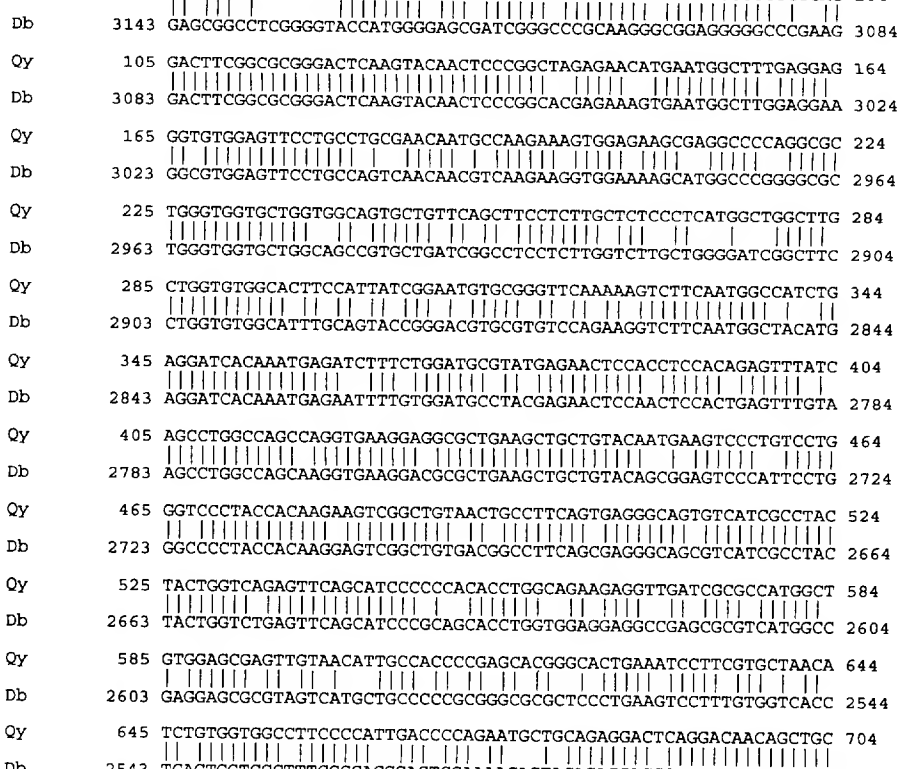
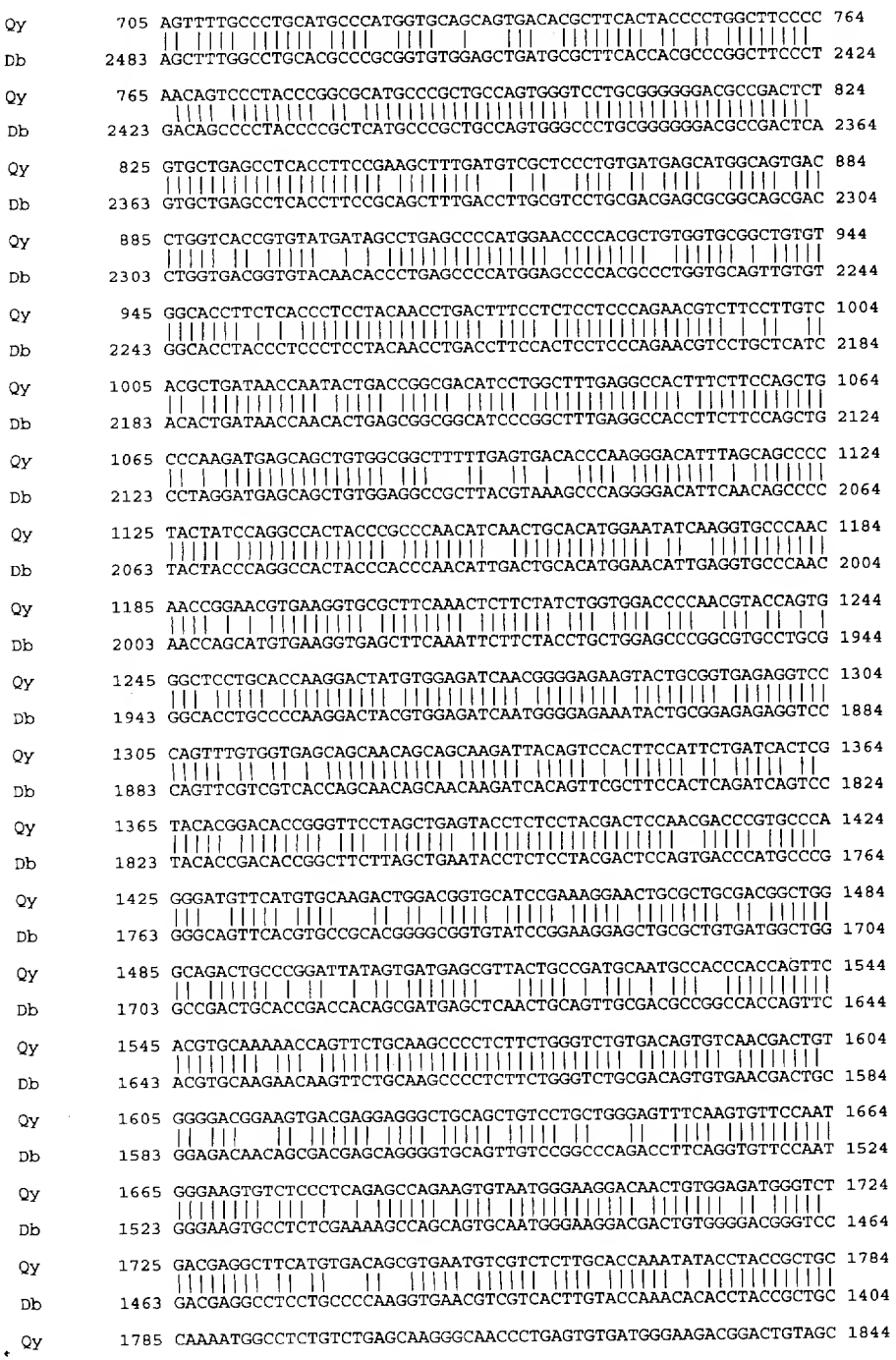
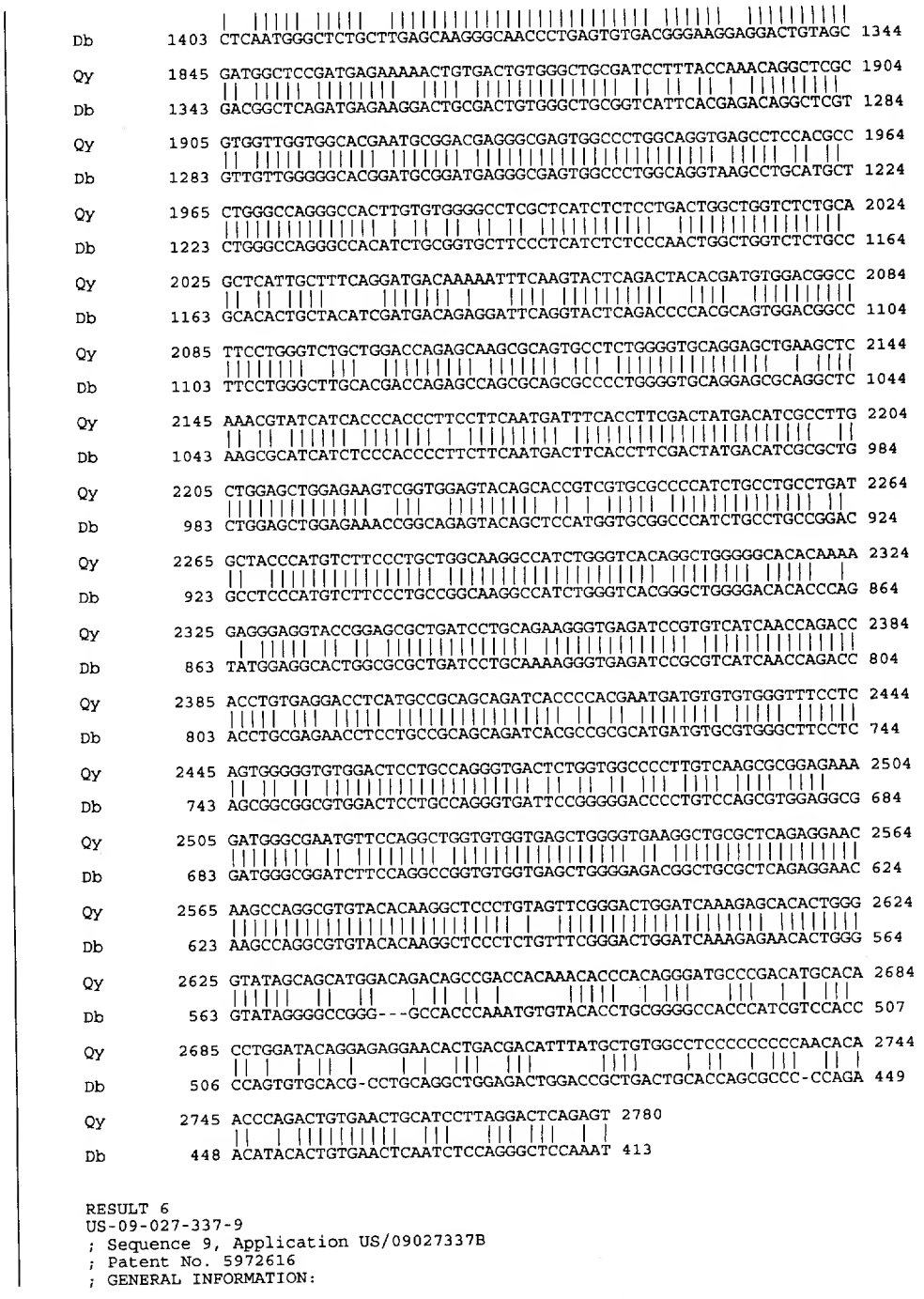


RESULT 5
US-09-654-600A-18/c
; Sequence 18, Application US/09654600A
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 09/421,213
; 09/027,337
; PRIOR FILING DATE: 1999-10-20
; 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 18
; LENGTH: 3147
; TYPE: RNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Antisense of TADG-15
US-09-654-600A-18

Query Match 60.6%; Score 1883.2; DB 4; Length 3147;
Best Local Similarity 81.2%; Pred. No. 0;
Matches 2223; Conservative 0; Mismatches 508; Indels 5; Gaps 3;







RESULT 6
US-09-027-337-9
; Sequence 9, Application US/09027337B
; Patent No. 5972616
; GENERAL INFORMATION:

; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease Overexpressed in
; TITLE OF INVENTION: Breast and Ovarian Carcinomas
; FILE REFERENCE: D6064
; CURRENT APPLICATION NUMBER: US/09/027,337B
; CURRENT FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 9
; LENGTH: 2900
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: SNC19 mRNA sequence (U20428)
US-09-027-337-9

Query Match 49.3%; Score 1530.8; DB 2; Length 2900;
Best Local Similarity 79.1%; Pred. No. 0;
Matches 2011; Conservative 0; Mismatches 502; Indels 29; Gaps 15;

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Qy       522 TACTACTGGTCAGAGTTCAGCATCCCCCCACACCTGGCAGAAGAGGTTGATCGCGCCATG 581
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Qy      1180 CCAACAACCGGAACGTGAAGGTGCGCTTCAAACTCTTCTATCTGGTGGACCCCAACGTAC 1239
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Qy      1360 ACTCGTACACGGACACCGGGTTCCTAGCTGAGTACCTCTCCTACGACTCCAACGACCCGT 1419
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Qy      1600 ACTGTGGGGACGGAAGTGACGAGGAGGGCTGCAGCTGTCCTG-CTGGGAGTTTCAAGTGT 1658
Db      1363 AGTGCGGAGACAACAGCGACGAGCAGGGTTGCATTTGTCCGGACCCAGACCTTCAGGTGT 1422

Qy      1659 TCCAATGGGAAGTGTCTCCCTCAGAGCCAGAAGTGTAATGGGAAGGACAACTGTGGAGAT 1718
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Qy      1719 GGGTCTGACGAGGCTTCATGTGACAGCGTGAATGTCGTCTCTTGCACCAAATATACCTAC 1778
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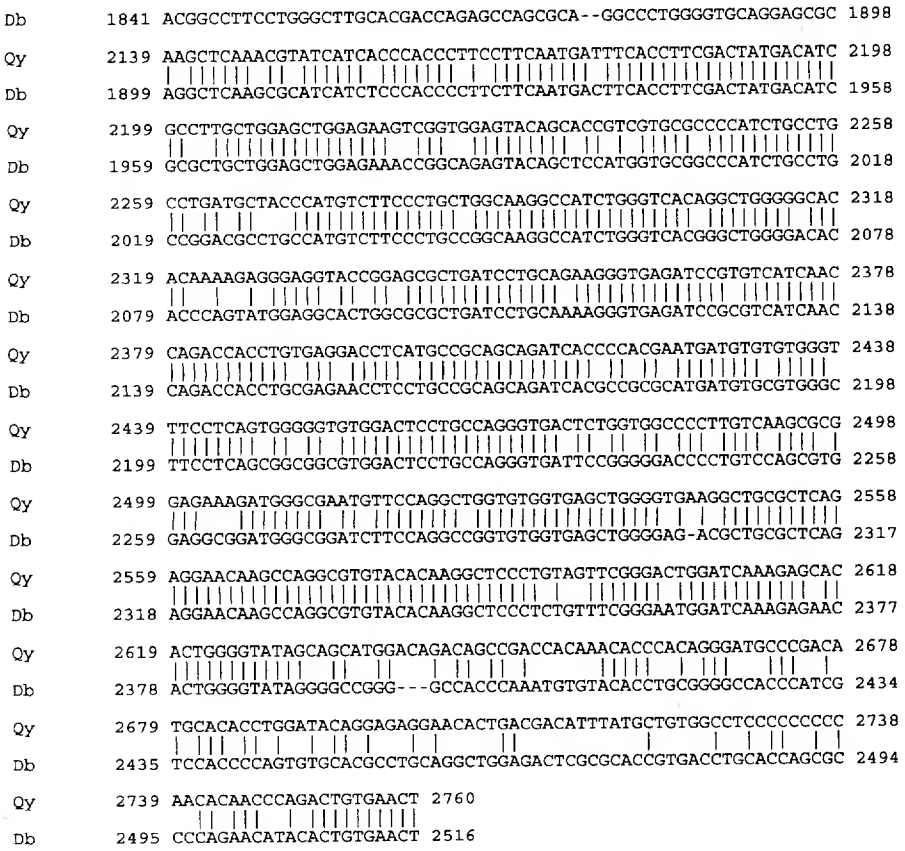

RESULT 7
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; Sequence 9, Application US/09644600
; Patent No. 6451500
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/644,600
; CURRENT FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 09/421,213
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: 09/027,337
; PRIOR FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 9
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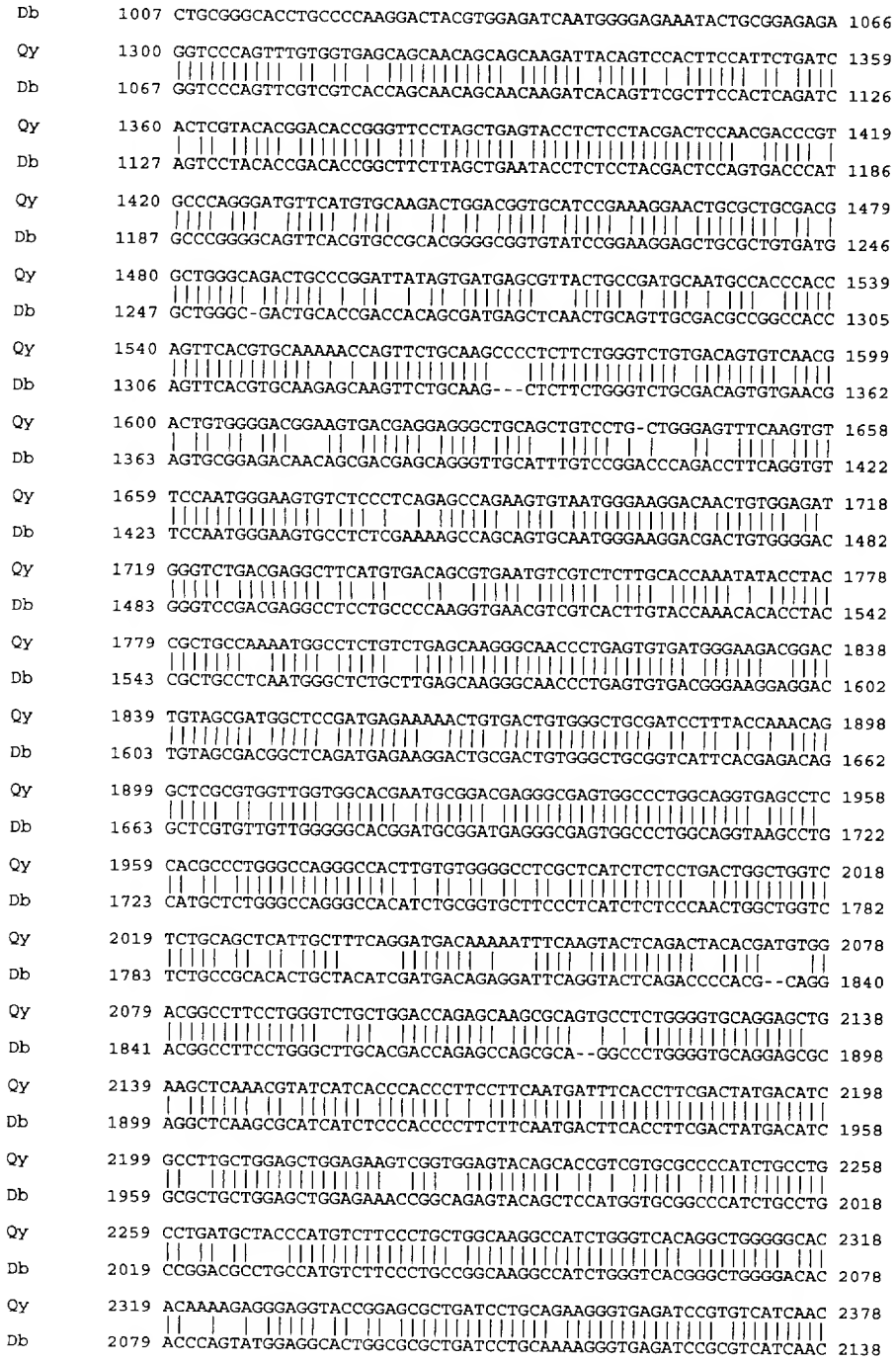
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: SNC-19; GeneBank Accession No. 6451500 #U20428
US-09-644-600-9

Query Match 49.3%; Score 1530.8; DB 4; Length 2900;

Best Local Similarity 79.1%; Pred. No. 0;
Matches 2011; Conservative 0; Mismatches 502; Indels 29; Gaps 15;



RESULT 8
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; Sequence 9, Application US/09654600A
; Patent No. 6649741
; GENERAL INFORMATION:
; APPLICANT: O'Brien, Timothy J.
; APPLICANT: Tanimoto, Hirotoshi
; TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
; TITLE OF INVENTION: Overexpressed in Carcinomas
; FILE REFERENCE: D6064CIP/D
; CURRENT APPLICATION NUMBER: US/09/654,600A
; CURRENT FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 09/421,213
; 09/027,337
; PRIOR FILING DATE: 1999-10-20
; 1998-02-20
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US-09-654-600A-9

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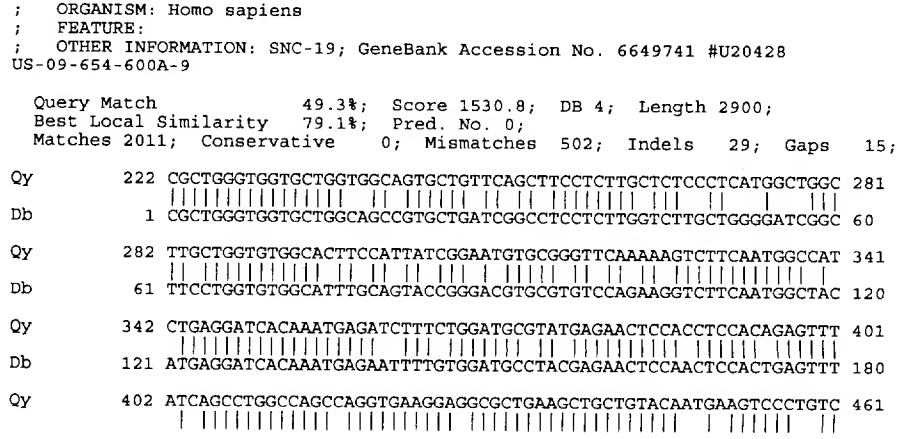

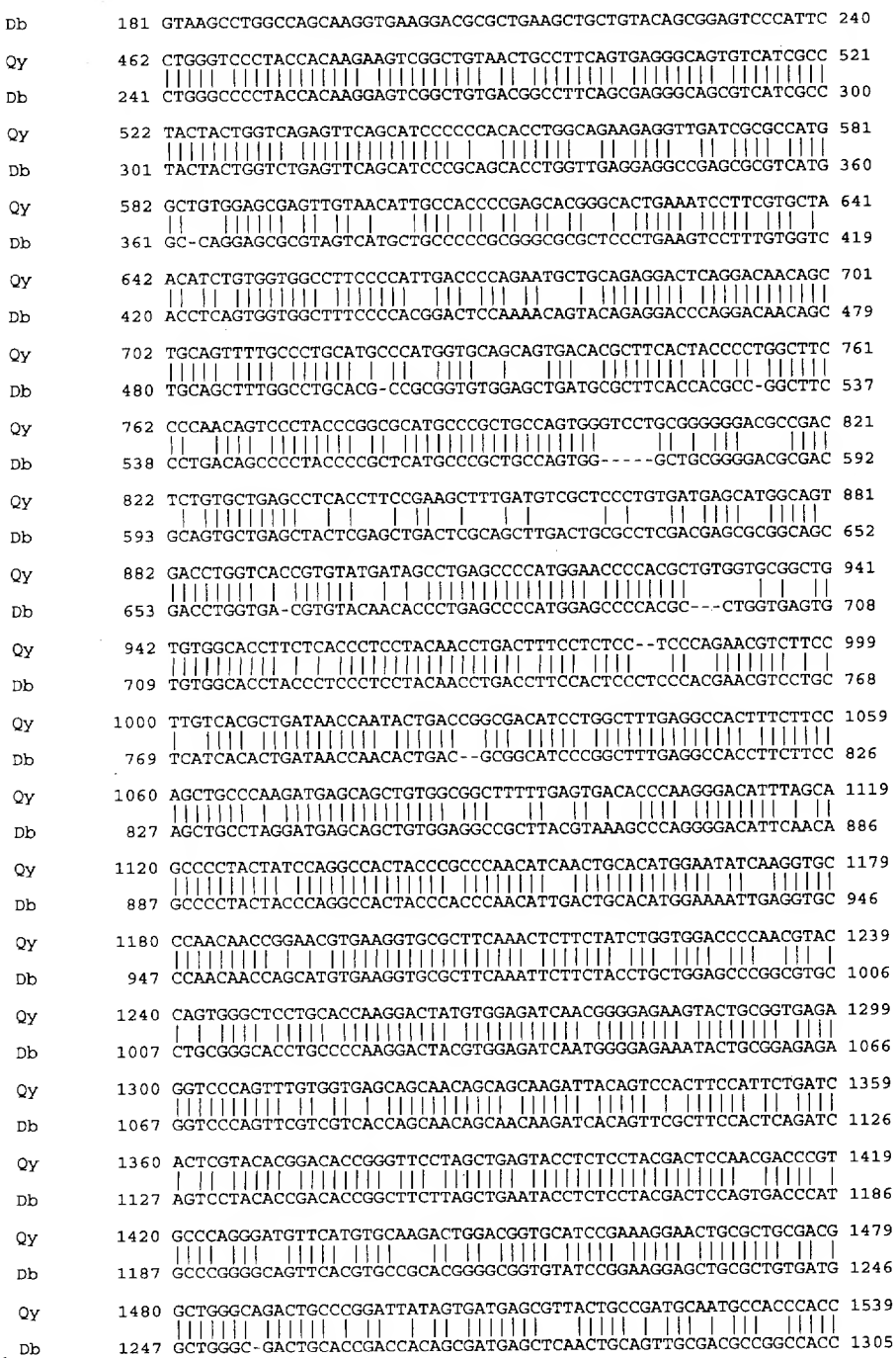

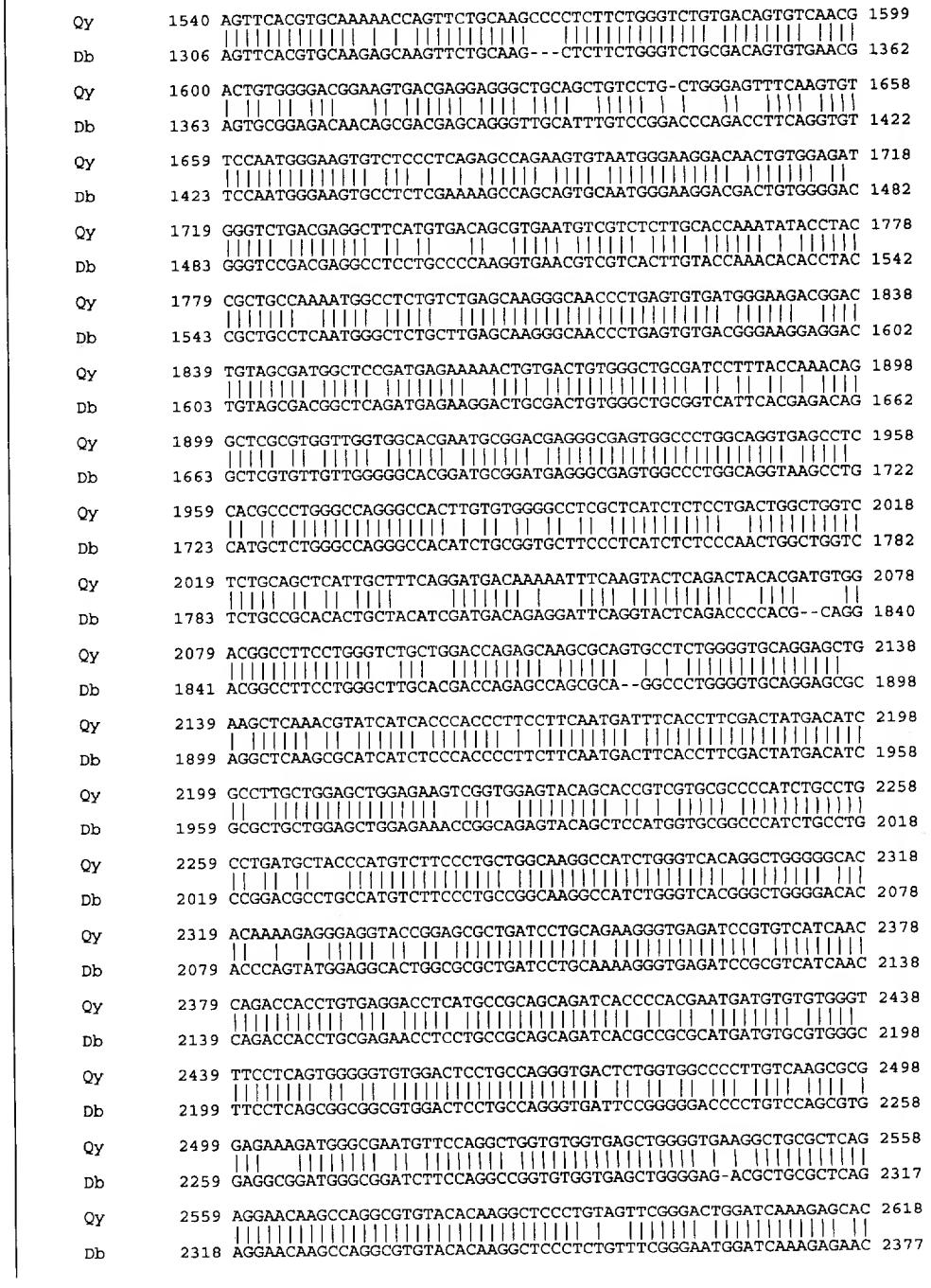

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Db       2435 TCCACCCCAGTGTGCACGCCTGCAGGCTGGAGACTCGCGCACCGTGACCTGCACCAGCGC 2494

Qy       2739 AACACAACCCAGACTGTGAACT 2760
Db       2495 CCCAGAACATACACTGTGAACT 2516
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RESULT 9
US-09-023-655-157
; Sequence 157, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 157:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2152 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: THP1NOB01
; CLONE: 034109
US-09-023-655-157

Query Match 30.4%; Score 943.8; DB 4; Length 2152;
Best Local Similarity 80.2%; Pred. No. 7.3e-245;
Matches 1145; Conservative 0; Mismatches 278; Indels 5; Gaps 3;

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Qy       1353 TCTGATCACTCGTACACGGACACCGGGTTCCTAGCTGAGTACCTCTCCTACGACTCCAAC 1412
Db        318 TCAGATCAGTCCTACACCGACACCGGCTTCTTAGCTGAATACCTCTCCTACGACTCCAGT 377

Qy       1413 GACCCGTGCCCAGGGATGTTCATGTGCAAGACTGGACGGTGCATCCGAAAGGAACTGCGC 1472
Db        378 GACCCATGCCCGGGGCAGTTCACGTGCCGCACGGGGCGGTGTATCCGGAAGGAGCTGCGC 437

Qy       1473 TGCGACGGCTGGGCAGACTGCCCGGATTATAGTGATGAGCGTTACTGCCGATGCAATGCC 1532
Db        438 TGTGATGGCTGGGCCGACTGCACCGACCACAGCGATGAGCTCAACTGCAGTTGCGACGCC 497

Qy       1533 ACCCACCAGTTCACGTGCAAAAACCAGTTCTGCAAGCCCCTCTTCTGGGTCTGTGACAGT 1592
Db        498 GGCCACCAGTTCACGTGCAAGAACAAGTTCTGCAAGCCCCTCTTCTGGGTCTGCGACAGT 557

Qy       1593 GTCAACGACTGTGGGGACGGAAGTGACGAGGAGGGCTGCAGCTGTCCTGCTGGGAGTTTC 1652
Db        558 GTGAACGACTGCGGAGACAACAGCGACGAGCAGGGGTGCAGTTGTCCGGCCCAGACCTTC 617

Qy       1653 AAGTGTTCCAATGGGAAGTGTCTCCCTCAGAGCCAGAAGTGTAATGGGAAGGACAACTGT 1712
Db        618 AGGTGTTCCAATGGGAAGTGCCTCTCGAAAAGCCAGCAGTGCAATGGGAAGGACGACTGT 677

Qy       1713 GGAGATGGGTCTGACGAGGCTTCATGTGACAGCGTGAATGTCGTCTCTTGCACCAAATAT 1772
Db        678 GGGGACGGGTCCGACGAGGCCTCCTGCCCCAAGGTGAACGTCGTCACTTGTACCAAACAC 737

Qy       1773 ACCTACCGCTGCCAAAATGGCCTCTGTCTGAGCAAGGGCAACCCTGAGTGTGATGGGAAG 1832
Db        738 ACCTACCGCTGCCTCAATGGGCTCTGCTTGAGCAAGGGCAACCCTGAGTGTTACGGGAAG 797

Qy       1833 ACGGACTGTAGCGATGGCTCCGATGAGAAAAACTGTGACTGTGGGCTGCGATCCTTTACC 1892
Db        798 GAGGACTTTAGCGACGGCTCAGATGAGAAGGACTGCGACTGTGGGCTGCGGTCATTCACG 857

Qy       1893 AAACAGGCTCGCGTGGTTGGTGGCACGAATGCGGACGAGGGCGAGTGGCCCTGGCAGGTG 1952
Db        858 AGACAGGCTCGTGTTGTTGGGGGCACGGATGCGGATGAGGGCGAGTGGCCCTGGCAGGTA 917

Qy       1953 AGCCTCCACGCCCTGGGCCAGGGCCACTTGTGTGGGGCCTCGCTCATCTCTCCTGACTGG 2012
Db        918 AGCCTGCATGCTCTGGGCCAGGGCCACATCTGCGGTGCTTCCCTCATCTCTCCCAACTGG 977

Qy       2013 CTGGTCTCTGCAGCTCATTGCTTTCAGGATGACAAAAATTTCAAGTACTCAGACTACACG 2072
Db        978 CTGGTCTCTGCCGCACACTGCTACATCGATGACAGAGGATTCAGGTACTCAGACCCCACG 1037

Qy       2073 ATGTGGACGGCCTTCCTGGGTCTGCTGGACCAGAGCAAGCGCAGTGCCTCTGGGGTGCAG 2132
Db       1038 CAGTGAACGGCCTTCCTGGGCTTGCACGACCAGAGCCAGCGCAGGCNCCCTGGGGTGCAG 1097

Qy       2133 GAGCTGAAGCTCAAACGTATCATCACCCACCCTTCCTTCAATGATTTCACCTTCGACTAT 2192
Db       1098 GAGCGCAGGCTCAAGCGCATCATCTCCCACCCCTTCTTCAATGACTTCACCTTCGACTAT 1157

Qy       2193 GACATCGCCTTGCTGGAGCTGGAGAAGTCGGTGGAGTACAGCACCGTCGTGCGCCCCATC 2252
Db       1158 GACATCGCGCTGCTGGAGCTGGAGAAACCGGCAGAGTACAGCTCCATGGTGCGGCCCATC 1217

Qy       2253 TGCCTGCCTGATGCTACCCATGTCTTCCCTGCTGGCAAGGCCATCTGGGTCACAGGCTGG 2312
Db       1218 TGCCTGCCGGACGCCTCCCATGTCTTCCCTGCCGGCAAGGCCATCTGGGTCACGGGCTGG 1277

Qy       2313 GGGCACACAAAAGAGGGAGGTACCGGAGCGCTGATCCTGCAGAAGGGTGAGATCCGTGTC 2372
Db       1278 GGACACACCCAGTATGGAGGCACTGGCGCGCTGATCCTGCAAAAGGGTGAGATCCGCGTC 1337

Qy       2373 ATCAACCAGACCACCTGTGAGGACCTCATGCCGCAGCAGATCACCCCACGAATGATGTGT 2432
Db       1338 ATCAACCAGACCACCTGCGAGAACCTCCTGCCGCAGCAGATCACGCCGCGCATGATGTGC 1397

Qy       2433 GTGGGTTTCCTCAGTGGGGGTGTGGACTCCTGCCAGGGTGACTCTGGTGGCCCCTTGTCA 2492
Db       1398 GTGGGCTTCCTCAGCGGCGGCGTGGACTCCTGCCAGGGTGATTCCGGGGGACCCCTGTCC 1457

Qy       2493 AGCGCGGAGAAAGATGGGCGAATGTTCCAGGCTGGTGTGGTGAGCTGGGGTGAAGGCTGC 2552
Db       1458 AGCGTGGAGGCGGATGGGCGGATCTTCCAGGCCGGTGTGGTGAGCTGGGGAGACGGCTGC 1517
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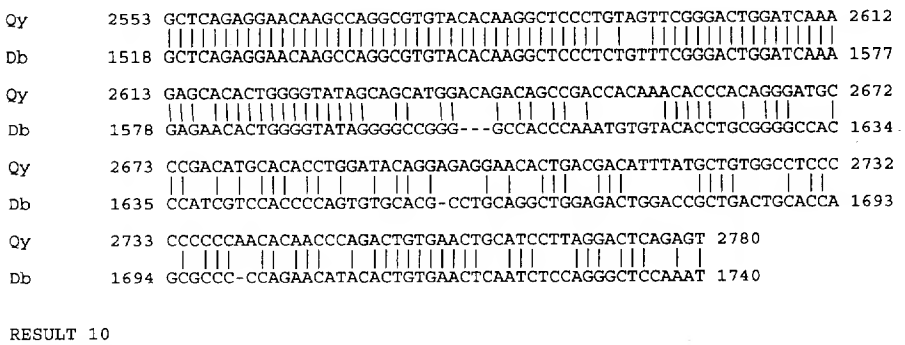
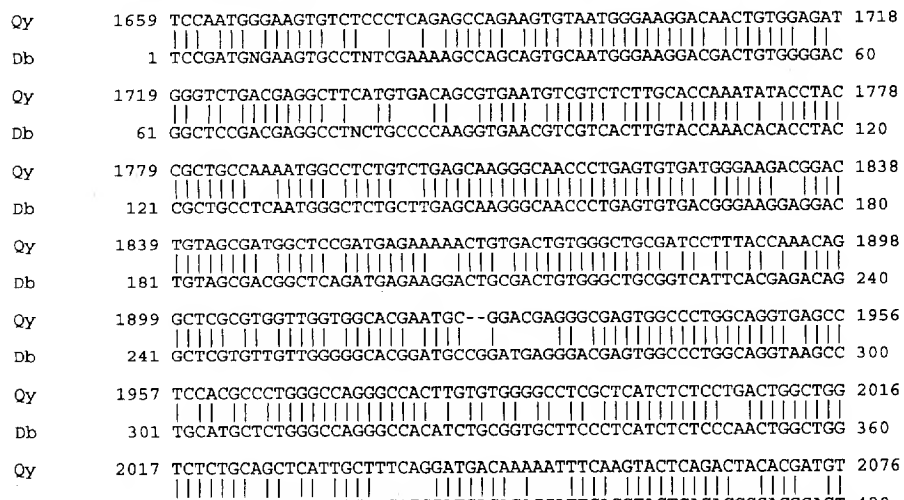
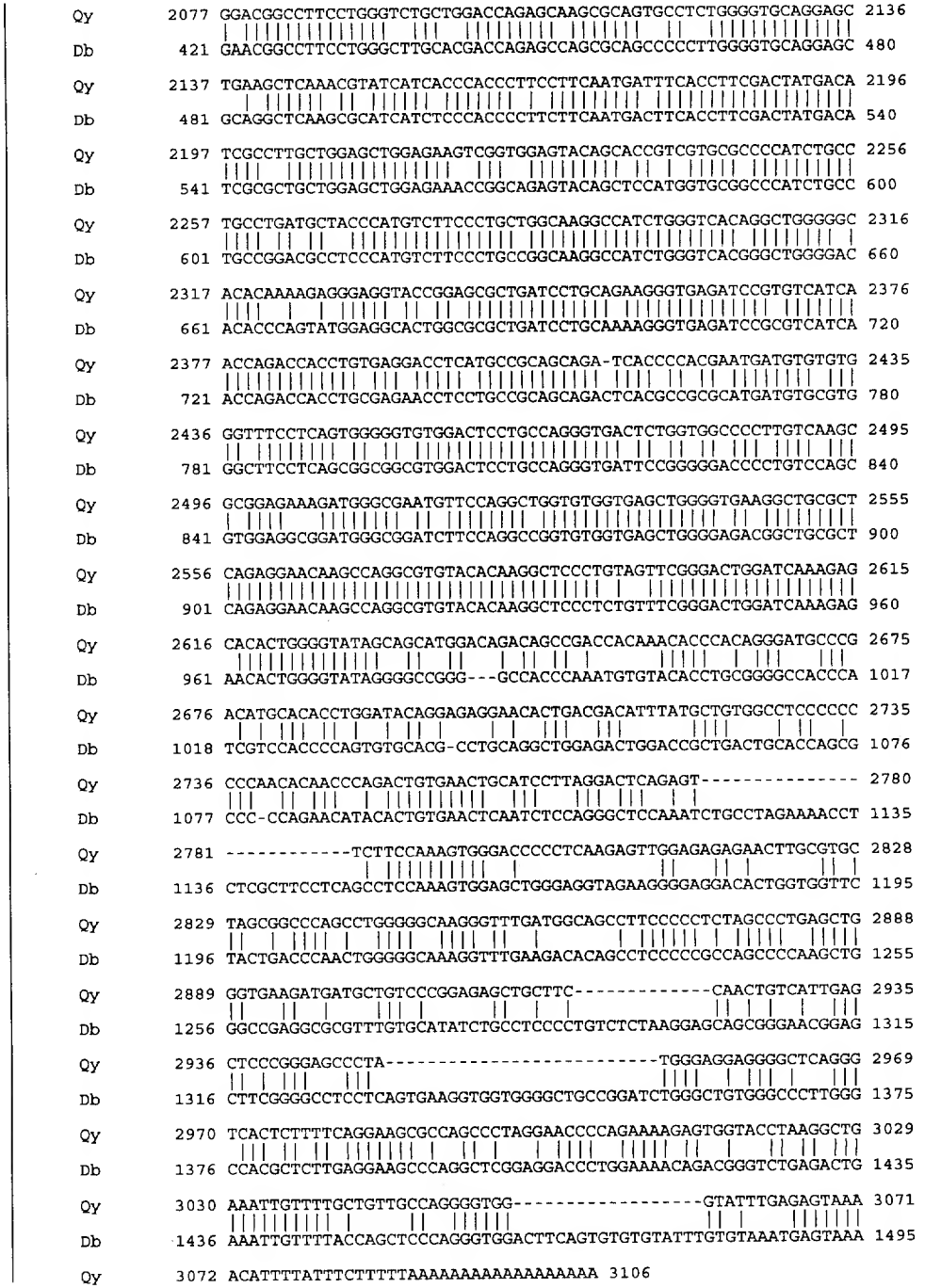


RESULT 10
US-09-280-116-10
; Sequence 10, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
; FILE REFERENCE: 5800-24, 035800/176965
; CURRENT APPLICATION NUMBER: US/09/280,116A
; CURRENT FILING DATE: 1999-03-26
; NUMBER OF SEQ ID NOS: 268
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1553
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: trypsin-like serine proteases
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(1553)
; OTHER INFORMATION: n = a, t, c, or g
US-09-280-116-10

Query Match 22.6%; Score 701.2; DB 4; Length 1553;
Best Local Similarity 71.1%; Pred. No. 2.2e-179;
Matches 1092; Conservative 0; Mismatches 351; Indels 92; Gaps 9;





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Db       1496 ACATTTTATTTCTTTTTAAAAAAAAAAAAAAAAA 1530

RESULT 11
US-09-702-705-1480
; Sequence 1480, Application US/09702705
; Patent No. 6504010
; GENERAL INFORMATION:
;  APPLICANT:  Wang, Tongtong
;  APPLICANT:  Bangur, Chaitanya S.
;  APPLICANT:  Lodes, Michael A.
;  APPLICANT:  Fanger, Gary
;  APPLICANT:  Vedvick, Tom
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Retter, Marc
;  APPLICANT:  Mannion, Jane
;  APPLICANT:  Fan, Liqun
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF LUNG CANCER
;  FILE REFERENCE:  210121.478C14
;  CURRENT APPLICATION NUMBER: US/09/702,705
;  CURRENT FILING DATE:  2000-10-30
;  NUMBER OF SEQ ID NOS:  1833
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 1480
;   LENGTH: 434
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-702-705-1480

  Query Match              9.9%;  Score 306.8;  DB 4;  Length 434;
  Best Local Similarity   82.1%;  Pred. No. 4e-73;
  Matches  353;  Conservative    0;  Mismatches   77;  Indels    0;  Gaps    0;

Qy       1083 GGCGGCTTTTGAGTGACACCCAAGGGACATTTAGCAGCCCCTACTATCCAGGCCACTAC 1142
Db          1 GGAGGCCGCTTACGTAAAGCCCAGGGGACATTCAACAGCCCCTACTACCCAGGCCACTAC 60

Qy       1143 CCGCCCAACATCAACTGCACATGGAATATCAAGGTGCCCAACAACCGGAACGTGAAGGTG 1202
Db         61 CCACCCAACATTGACTGCACATGGAACATTGAGGTGCCCAACAACCAGCATGTGAAGGTG 120

Qy       1203 CGCTTCAAACTCTTCTATCTGGTGGACCCCAACGTACCAGTGGGCTCCTGCACCAAGGAC 1262
Db        121 CGCTTCAAATTCTTCTACCTGCTGGAGCCCGGCGTGCCTGCGGGCACCTGCCCCAAGGAC 180

Qy       1263 TATGTGGAGATCAACGGGGAGAAGTACTGCGGTGAGAGGTCCCAGTTTGTGGTGAGCAGC 1322
Db        181 TACGTGGAGATCAATGGGGAGAAATACTGCGGAGAGAGGTCCCAGTTCGTCGTCACCAGC 240

Qy       1323 AACAGCAGCAAGATTACAGTCCACTTCCATTCTGATCACTCGTACACGGACACCGGGTTC 1382
Db        241 AACAGCAACAAGATCACAGTTCGCTTCCACTCAGATCAGTCCTACACCGACACCGGCTTC 300

Qy       1383 CTAGCTGAGTACCTCTCCTACGACTCCAACGACCCGTGCCCAGGGATGTTCATGTGCAAG 1442
Db        301 TTAGCTGAATACCTCTCCTACGACTCCAGTGACCCATGCCCGGGGCAGTTCACGTGCCGC 360

Qy       1443 ACTGGACGGTGCATCCGAAAGGAACTGCGCTGCGACGGCTGGGCAGACTGCCCGGATTAT 1502
Db        361 ACGGGGCGGTGTATCCGGAAGGAGCTGCGCTGTGATGGCTGGGCCGACTGCACCGACCAC 420

Qy       1503 AGTGATGAGC 1512
Db        421 AGCGATGAGC 430

RESULT 12
US-09-736-457-1480
; Sequence 1480, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
;  APPLICANT:  Wang, Tongtong
;  APPLICANT:  Bangur, Chaitanya S.
;  APPLICANT:  Lodes, Michael A.
;  APPLICANT:  Fanger, Gary
;  APPLICANT:  Vedvick, Tom
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Retter, Marc
;  APPLICANT:  Mannion, Jane
;  APPLICANT:  Fan, Liqun
;  APPLICANT:  Wang, Aijun
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF LUNG CANCER
;  FILE REFERENCE:  210121.478C15
;  CURRENT APPLICATION NUMBER: US/09/736,457
;  CURRENT FILING DATE:  2000-12-13
;  NUMBER OF SEQ ID NOS:  1864
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 1480
;   LENGTH: 434
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-736-457-1480

  Query Match              9.9%;  Score 306.8;  DB 4;  Length 434;
  Best Local Similarity   82.1%;  Pred. No. 4e-73;
  Matches  353;  Conservative    0;  Mismatches   77;  Indels    0;  Gaps    0;

Qy       1083 GGCGGCTTTTGAGTGACACCCAAGGGACATTTAGCAGCCCCTACTATCCAGGCCACTAC 1142
Db          1 GGAGGCCGCTTACGTAAAGCCCAGGGGACATTCAACAGCCCCTACTACCCAGGCCACTAC 60

Qy       1143 CCGCCCAACATCAACTGCACATGGAATATCAAGGTGCCCAACAACCGGAACGTGAAGGTG 1202
Db         61 CCACCCAACATTGACTGCACATGGAACATTGAGGTGCCCAACAACCAGCATGTGAAGGTG 120

Qy       1203 CGCTTCAAACTCTTCTATCTGGTGGACCCCAACGTACCAGTGGGCTCCTGCACCAAGGAC 1262
Db        121 CGCTTCAAATTCTTCTACCTGCTGGAGCCCGGCGTGCCTGCGGGCACCTGCCCCAAGGAC 180

Qy       1263 TATGTGGAGATCAACGGGGAGAAGTACTGCGGTGAGAGGTCCCAGTTTGTGGTGAGCAGC 1322
Db        181 TACGTGGAGATCAATGGGGAGAAATACTGCGGAGAGAGGTCCCAGTTCGTCGTCACCAGC 240

Qy       1323 AACAGCAGCAAGATTACAGTCCACTTCCATTCTGATCACTCGTACACGGACACCGGGTTC 1382
Db        241 AACAGCAACAAGATCACAGTTCGCTTCCACTCAGATCAGTCCTACACCGACACCGGCTTC 300

Qy       1383 CTAGCTGAGTACCTCTCCTACGACTCCAACGACCCGTGCCCAGGGATGTTCATGTGCAAG 1442
Db        301 TTAGCTGAATACCTCTCCTACGACTCCAGTGACCCATGCCCGGGGCAGTTCACGTGCCGC 360

Qy       1443 ACTGGACGGTGCATCCGAAAGGAACTGCGCTGCGACGGCTGGGCAGACTGCCCGGATTAT 1502
Db        361 ACGGGGCGGTGTATCCGGAAGGAGCTGCGCTGTGATGGCTGGGCCGACTGCACCGACCAC 420

Qy       1503 AGTGATGAGC 1512
Db        421 AGCGATGAGC 430

RESULT 13
US-09-614-124B-1480
; Sequence 1480, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
;  APPLICANT: Wang, Tongtong
;  APPLICANT:  Bangur, Chaitanya S.
;  APPLICANT:  Lodes, Michael A.
;  APPLICANT:  Fanger, Gary
;  APPLICANT:  Vedvick, Tom
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Retter, Marc
;  APPLICANT:  Mannion, Jane
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;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF LUNG CANCER
;  FILE REFERENCE: 210121.478C9
;  CURRENT APPLICATION NUMBER: US/09/614,124B
;  CURRENT FILING DATE:  2001-07-11
;  NUMBER OF SEQ ID NOS: 1668
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1480
;   LENGTH: 434
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-614-124B-1480

  Query Match             9.9%;  Score 306.8;  DB 4;  Length 434;
  Best Local Similarity   82.1%;  Pred. No. 4e-73;
  Matches  353;  Conservative    0;  Mismatches   77;  Indels    0;  Gaps    0;

Qy       1083 GGCGGCTTTTTGAGTGACACCCAAGGGACATTTAGCAGCCCCTACTATCCAGGCCACTAC 1142
              || |||    ||  || |  |||| |||||||| | |||||||||||| ||||||||||||
Db          1 GGAGGCCGCTTACGTAAAGCCCAGGGGACATTCAACAGCCCCTACTACCCAGGCCACTAC 60

Qy       1143 CCGCCCAACATCAACTGCACATGGAATATCAAGGTGCCCAACAACCGGAACGTGAAGGTG 1202
              || ||||||||  |||||||||||||| ||  |||||||||||||||| | | |||||||||
Db         61 CCACCCAACATTGACTGCACATGGAACATTGAGGTGCCCAACAACCAGCATGTGAAGGTG 120

Qy       1203 CGCTTCAAACTCTTCTATCTGGTGGACCCCAACGTACCAGTGGGCTCCTGCACCAAGGAC 1262
              |||||||||  |||||||  |||  ||||  |||  |||  ||  |  ||||  |||||  ||||||||
Db         121 CGCTTCAAATTCTTCTACCTGCTGGAGCCCGGCGTGCCTGCGGGCACCTGCCCCAAGGAC 180

Qy       1263 TATGTGGAGATCAACGGGGAGAAGTACTGCGGTGAGAGGTCCCAGTTTGTGGTGAGCAGC 1322
              ||  ||||||||||| ||||||||  ||||||||  ||||||||||||||  ||  ||  |  ||||
Db         181 TACGTGGAGATCAATGGGGAGAAATACTGCGGAGAGAGGTCCCAGTTCGTCGTCACCAGC 240

Qy       1323 AACAGCAGCAAGATTACAGTCCACTTCCATTCTGATCACTCGTACACGGACACCGGGTTC 1382
              |||||||  ||||||  |||||  |  ||||||  ||  |||||  ||  |||||  ||||||||  |||
Db         241 AACAGCAACAAGATCACAGTTCGCTTCCACTCAGATCAGTCCTACACCGACACCGGCTTC 300

Qy       1383 CTAGCTGAGTACCTCTCCTACGACTCCAACGACCCGTGCCCAGGGATGTTCATGTGCAAG 1442
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Db         301 TTAGCTGAATACCTCTCCTACGACTCCAGTGACCCATGCCCGGGGCAGTTCACGTGCCGC 360

Qy       1443 ACTGGACGGTGCATCCGAAAGGAACTGCGCTGCGACGGCTGGGCAGACTGCCCGGATTAT 1502
              ||  ||  |||||  |||||  |||||  ||||||||  ||  ||||||||  ||||||  |  ||   |
Db         361 ACGGGGCGGTGTATCCGGAAGGAGCTGCGCTGTGATGGCTGGGCCGACTGCACCGACCAC 420

Qy       1503 AGTGATGAGC 1512
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Db         421 AGCGATGAGC 430


RESULT 14
US-09-671-325-1480
; Sequence 1480, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
;  APPLICANT:  Wang, Tongtong
;  APPLICANT:  Bangur, Chaitanya S.
;  APPLICANT:  Lodes, Michael A.
;  APPLICANT:  Fanger, Gary
;  APPLICANT:  Vedvick, Tom
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Retter, Marc
;  APPLICANT:  Mannion, Jane
;  APPLICANT:  Fan, Liqun
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE THERAPY AND
;  TITLE OF INVENTION:  DIAGNOSIS OF LUNG CANCER
;  FILE REFERENCE:  210121.478C12
;  CURRENT APPLICATION NUMBER: US/09/671,325
;  CURRENT FILING DATE:  2000-09-26
;  NUMBER OF SEQ ID NOS:  1825
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 1480
;   LENGTH: 434
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-671-325-1480

  Query Match             9.9%;  Score 306.8;  DB 4;  Length 434;
  Best Local Similarity   82.1%;  Pred. No. 4e-73;
  Matches  353;  Conservative    0;  Mismatches   77;  Indels    0;  Gaps    0;

Qy       1083 GGCGGCTTTTTGAGTGACACCCAAGGGACATTTAGCAGCCCCTACTATCCAGGCCACTAC 1142
              || |||    ||  || |  |||| |||||||| | |||||||||||| ||||||||||||
Db          1 GGAGGCCGCTTACGTAAAGCCCAGGGGACATTCAACAGCCCCTACTACCCAGGCCACTAC 60

Qy       1143 CCGCCCAACATCAACTGCACATGGAATATCAAGGTGCCCAACAACCGGAACGTGAAGGTG 1202
              || ||||||||  |||||||||||||| ||  |||||||||||||||| | | |||||||||
Db         61 CCACCCAACATTGACTGCACATGGAACATTGAGGTGCCCAACAACCAGCATGTGAAGGTG 120

Qy       1203 CGCTTCAAACTCTTCTATCTGGTGGACCCCAACGTACCAGTGGGCTCCTGCACCAAGGAC 1262
              |||||||||  |||||||  |||  ||||  |||  |||  ||  |  ||||  |||||  ||||||||
Db         121 CGCTTCAAATTCTTCTACCTGCTGGAGCCCGGCGTGCCTGCGGGCACCTGCCCCAAGGAC 180

Qy       1263 TATGTGGAGATCAACGGGGAGAAGTACTGCGGTGAGAGGTCCCAGTTTGTGGTGAGCAGC 1322
              ||  ||||||||||| ||||||||  ||||||||  ||||||||||||||  ||  ||  |  ||||
Db         181 TACGTGGAGATCAATGGGGAGAAATACTGCGGAGAGAGGTCCCAGTTCGTCGTCACCAGC 240

Qy       1323 AACAGCAGCAAGATTACAGTCCACTTCCATTCTGATCACTCGTACACGGACACCGGGTTC 1382
              |||||||  ||||||  |||||  |  ||||||  ||  |||||  ||  |||||  ||||||||  |||
Db         241 AACAGCAACAAGATCACAGTTCGCTTCCACTCAGATCAGTCCTACACCGACACCGGCTTC 300

Qy       1383 CTAGCTGAGTACCTCTCCTACGACTCCAACGACCCGTGCCCAGGGATGTTCATGTGCAAG 1442
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Db         301 TTAGCTGAATACCTCTCCTACGACTCCAGTGACCCATGCCCGGGGCAGTTCACGTGCCGC 360

Qy       1443 ACTGGACGGTGCATCCGAAAGGAACTGCGCTGCGACGGCTGGGCAGACTGCCCGGATTAT 1502
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Db         361 ACGGGGCGGTGTATCCGGAAGGAGCTGCGCTGTGATGGCTGGGCCGACTGCACCGACCAC 420

Qy       1503 AGTGATGAGC 1512
              ||  |||||||
Db         421 AGCGATGAGC 430


RESULT 15
US-09-280-116-107
; Sequence 107, Application US/09280116A
; Patent No. 6331427
; GENERAL INFORMATION:
;  APPLICANT: Robison, Keith E.
;  TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs
;  FILE REFERENCE: 5800-24, 035800/176965
;  CURRENT APPLICATION NUMBER: US/09/280,116A
;  CURRENT FILING DATE: 1999-03-26
;  NUMBER OF SEQ ID NOS: 268
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 107
;   LENGTH: 796
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: trypsin-like serine proteases
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(796)
;   OTHER INFORMATION: n = a, t, c or g
US-09-280-116-107

  Query Match             5.6%;  Score 173.2;  DB 4;  Length 796;
  Best Local Similarity   57.7%;  Pred. No. 6.9e-37;
  Matches  395;  Conservative    0;  Mismatches  269;  Indels   21;  Gaps    4;

Qy       1744 GCGTGAATGTCGTCTCTTGCACCAAATATACCTACCGCTGCCAAAATGGCCTCTGTCTGA 1803
              ||  | | |  ||  | ||    | ||  |||| ||  ||  |  |  |  |||  |||
Db         106 GCCAGGAAGGGGTGCCATGTGGGACATTCACCTTCCAGTGTGAGGACCGGAGCTGCGTGA 165
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Qy       1804 GCAAGGGCAACCCTGAGTGTGATGGGAAGACGGACTGTAGCGATGGCTCCGATGAGAAAA 1863
Db        166 AGAAGCCCAACCCGCAGTGTGATGGGCGGCCCGACTGCAGGGACGGCTCGGATGAGGAGC 225

Qy       1864 ACTGTGACTGTGGGCTGCGATCCTTTACCAAACAGGCTCGCGTGGTTGGTGGCACGAATG 1923
Db        226 ACTGTGACTGTGGCCTCCAGGGCCCCTCCA------GCCGCATTGTTGGTGGAGCTGTGT 279

Qy       1924 CGGACGAGGGCGAGTGGCCCTGGCAGGTGAGCCTCCACGCCCTGGGCCAGGGCCACTTGT 1983
Db        280 CCTCCGAGGGTGAGTGGCCATGGCAGGCCAGCCTCCAGGTTCGGGGTC---GACACATCT 336

Qy       1984 GTGGGGCCTCGCTCATCTCTCCTGACTGGCTGGTCTCTGCAGCTCATTGCTTTCAGGATG 2043
Db        337 GTGGGGGGGCCCTCATCGCTGACCGCTGGGTGATAACAGCTGCCCACTGCTTCCAGGAGG 396

Qy       2044 ACAAAAATTTCAAGTACTCAGACTACACGATGTGGACGGCCTTCCTGGGTCTGCTGGACC 2103
Db        397 ACAGCA---------TGGCCTCCACGGTGCTGTGGACCGTGTTCCTGGGCAAGGTGTGGC 447

Qy       2104 AGAGCAAGCGCAGTGCCTCTGGGGTGCAGGAGCTGAAGCTCAAACGTATCATCACCCACC 2163
Db        448 AGAACTCGCGCTG---GCCTGGAGAGGTGTCCTTCAAGGTGAGCCGCCTGCTCCTGCACC 504

Qy       2164 CTTCCTTCAATGATTTCACCTTCGACTATGACATCGCCTTGCTGGAGCTGGAGAAGTCGG 2223
Db        505 CGTACCACGAAGAGGACAGCCATGACTACGACGTGGCGCTGCTGCAGCTCGACCACCCGG 564

Qy       2224 TGGAGTACAGCACCGTCGTGCGCCCCATCTGCCTGCCTGATGCTACCCATGTCTTCCCTG 2283
Db        565 TGGTGCGCTCGGCCGCCGTGCGCCCCGTCTGCCTGCCCGCGCGCTCCCACTTCTTCGAGC 624

Qy       2284 CTGGCAAGGCCATCTGGGTCACAGGCTGGGGGCACACAAAAGAGGGAGGTACCGGAGCGC 2343
Db        625 CCGGCCTGCACTGCTGGATTACGGGCTGGGGCGCCTTGCGCGAGGGCGGCCCCCATCAGCA 684

Qy       2344 TGATCCTGCAGAAGGGTGAGATCCGTGTCATCAACCAGACCACCTGTGAGGACCTCATGC 2403
Db        685 ACGCTCTGCAGAAAGTGGATGTGCANTTGATCCCACAGGACCTGTGCAGCGAGGTCTATC 744

Qy       2404 CGCAGCAGATCACCCCACGAATGAT 2428
Db        745 GCTACCAGGTGACGCCACGCATGCT 769
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